NEWS 27

NEWS 28 MAY 01

APR 30

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PASSWORD:
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                      Welcome to STN International
 NEWS 1
                  Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
 NEWS 3 JAN 16 CA/CAplus Company Name Thesaurus enhanced and reloaded
 NEWS
      4 JAN 16 IPC version 2007.01 thesaurus available on STN
 NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification
data
 NEWS 6 JAN 22
                  CA/CAplus updated with revised CAS roles
 NEWS 7 JAN 22 CA/CAplus enhanced with patent applications from India
 NEWS 8 JAN 29 PHAR reloaded with new search and display fields
 NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000
in
                  multiple databases
 NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
 NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records
 NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
 NEWS 13 FEB 26 MEDLINE reloaded with enhancements
 NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field
 NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
 NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
 NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000
                  to 300,000 in multiple databases
 NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
 NEWS 19 MAR 16 CASREACT coverage extended
 NEWS 20 MAR 20 MARPAT now updated daily
 NEWS 21 MAR 22 LWPI reloaded
 NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
 NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN
 NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records
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NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

New CAS web site launched

NEWS 26 APR 30 CA/Caplus enhanced with 1870-1889 U.S. patent records

INPADOC replaced by INPADOCDB on STN

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

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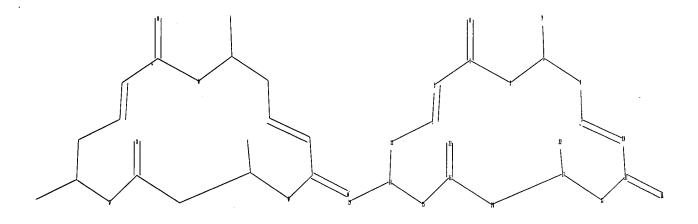
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=> Uploading C:\Program Files\Stnexp\Queries\10535136.str



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8 9 18 19 21 22
ring nodes :
1 2 3 4 5 6 7 10 11 12 13 14 15 16 17 20
chain bonds :
1-8 3-9 11-18 14-19 16-21 17-22
ring bonds :
1-2 1-5 2-3 3-4 4-7 5-6 6-13 7-10 10-11 11-12 12-17 13-14 14-15
15-16 16-20 17-20
exact/norm bonds :
1-8 11-18 16-21
exact bonds :
1-2 1-5 2-3 3-4 3-9 4-7 5-6 6-13 7-10 10-11 11-12 12-17 13-14
14-15 14-19 15-16 16-20 17-20 17-22
isolated ring systems :
containing 1 :
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Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS 20:Atom 21:CLASS 22:CLASS

L1 STRUCTURE UPLOADED

10/535,136

=> s 11

SAMPLE SEARCH INITIATED 14:10:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 414 TO ITERATE

100.0% PROCESSED 414 ITERATIONS 3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 7060 TO 9500 PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> s 11 ful

FULL SEARCH INITIATED 14:10:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8737 TO ITERATE

100.0% PROCESSED 8737 ITERATIONS 120 ANSWERS

SEARCH TIME: 00.00.01

L3 120 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 172.10 172.31

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=> s 13
L4
            46 L3
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       3384211 METHOD
       1365704 METHODS
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        445217 MAKE
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L5
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10/535,136

=> d 15 ibib hitstr abs 1-38

L5 ANSWER 10 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2004:467880 CAPLUS DOCUMENT NUMBER: 141:38807 TITLE: A process for the preparation of macrosphelide scaffold via macrolactonization INVENTOR(S): Nemoto, Hideo; Matsuya, Yuji PATENT ASSIGNEE(S): Lead Chemical Co., Ltd., Japan SOURCE: PCT Int. Appl., 31 pp. CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: Japanese FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.					KIND		DATE		APPLICATION NO.					DATE			
WO	WO 2004048360				A1 20040610		WO 2002-JP12304					20021126					
	W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
		CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
		PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,
		ΤZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW					
	RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
		KG,	ΚZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
		FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	SK,	TR,	BF,	ВJ,	CF,
		CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG			
AU 2002355031				A1					AU 2002-355031								
US 2006030720				A 1	20060209			US 2005-535136				20050622					
PRIORITY APPLN. INFO.:					•			WO 2002-JP12304				A 20021126					

IT 554420-08-5P

RL: SPN (Synthetic preparation); PREP (Preparation) (process for the preparation of macrosphelide scaffold via macrolactonization)

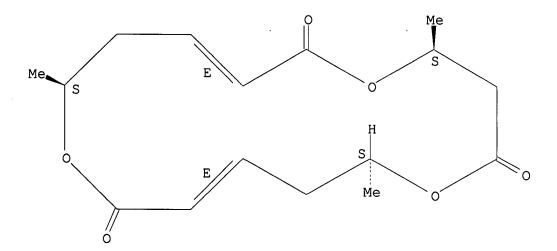
RN 554420-08-5 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione,

4,10,16-trimethyl-,

(4S, 7E, 10S, 13E, 16S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.



GΙ

AB A process for the preparation of macrosphelide scaffold I via macrolactonization was provided. For example, to a mixture of (+)-1-tert-butoxycarbonylpent-1-en-4-yl 5-hydroxyhex-2-enoate (50 mg), 3-tert-butyldimethylsilyloxybutanoic acid (43 mg) and DMAP (2 mg) in CH2Cl2 (2 mL) was added DCC (55 mg) at 0 °C, and stirred at room temperature for 3 h. Aqueous work-up afforded

(-)-1-tert-butoxycarbonylpent-1-en-4 yl 5-[3-(tert-butyldimethylsilyloxy)butyloxy]hex-2-enoate (II) (81 mg).
 Desilylation and hydrolysis of compound II (500 mg) using thioanisole
(12.5)

 $\,$ mL) and trifluoroacetic acid (2.5 mL) in CH2Cl2 at room temperature for 1 h gave

(-)-5-[5-(3-hydroxybutyloxy)hex-2-enoyloxy]hex-2-enoic acid (III) (273 mg). A mixture of compound III (40 mg), triethylamine (73 mg) and 2,4,6-trichlorobenzoyl chloride (146 mg) in toluene (10 mL) was

room temperature for 1 h, then DMAP (170 mg) was added slowly over a period of 2 $\,$

h at 80 °C. After basic work-up, purification on silica-gel furnished macrosphelide scaffold I (34 mg).

REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 22 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2002:862446 CAPLUS

DOCUMENT NUMBER:

138:271895

TITLE:

The total synthesis of macrosphelides A and

E from carbohydrate precursors

AUTHOR(S):

Sharma, G. V. M.; Mouli, Ch. Chandra

CORPORATE SOURCE:

Organic Chemistry Division-III, Discovery

Laboratory,

D-211, Indian Institute of Chemical Technology,

Hyderabad, 500 007, India

SOURCE:

Tetrahedron Letters (2002), 43(50), 9159-9161

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE:

OTHER SOURCE(S):

Journal English

LANGUAGE:

CASREACT 138:271895

IT 503026-46-8P 503026-52-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

(Reactant or reagent)

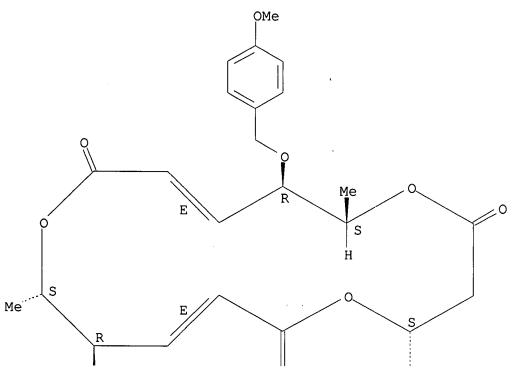
(total synthesis of macrosphelides A and E from carbohydrate precursors)

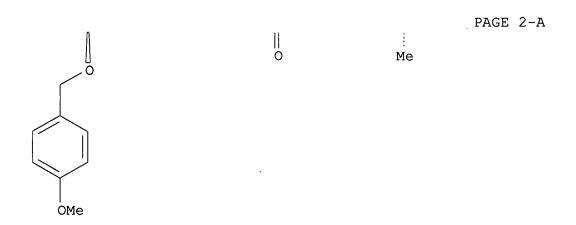
RN 503026-46-8 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-bis[(4-methoxyphenyl)methoxy]-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,15R,16S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

PAGE 1-A



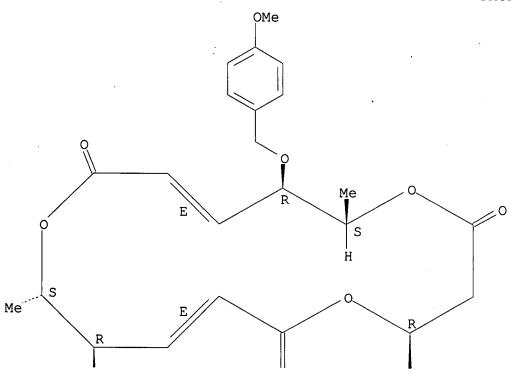


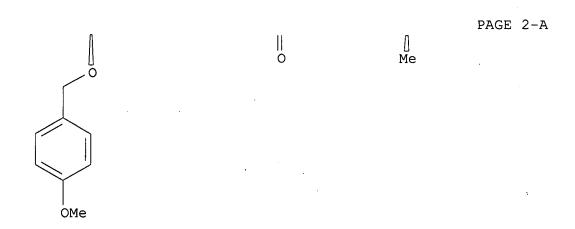
RN 503026-52-6 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-bis[(4-methoxyphenyl)methoxy]-4,10,16-trimethyl-, (4R,7E,9R,10S,13E,15R,16S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

PAGE 1-A





IT 172923-77-2P 200335-76-8P

RL: SPN (Synthetic preparation); PREP (Preparation) (total synthesis of macrosphelides A and E from carbohydrate precursors)

RN 172923-77-2 CAPLUS

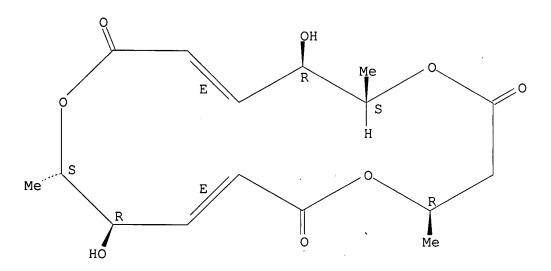
CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-dihydroxy-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,15R,16S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

RN 200335-76-8 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-dihydroxy-4,10,16-trimethyl-, (4R,7E,9R,10S,13E,15R,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.



AB The total synthesis of macrolide antibiotics, macrosphelide A and E has been achieved starting from $L^-(+)$ -arabinose and (3S)- or (3R)-3-hydroxybutyric acid via Yamaguchi macrolactonization of intermediates.

REFERENCE COUNT:

THIS

11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 30 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:246247 CAPLUS

DOCUMENT NUMBER: 135:46021

TITLE: First total synthesis of macrosphelides C

and F

AUTHOR(S): Kobayashi, Y.; Acharya, H. P.

CORPORATE SOURCE: Department of Biomolecular Engineering, 4259

Nagatsuta-cho, Tokyo Institute of Technology,

Yokohama, Midori-ku, 226-8501, Japan

SOURCE: Tetrahedron Letters (2001), 42(15), 2817-2820

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:46021

IT 344362-58-9P 344362-59-0P 344362-62-5P 344362-63-6P 344614-27-3P 344614-32-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

(Reactant or reagent)

(total synthesis of macrosphelides C and F)

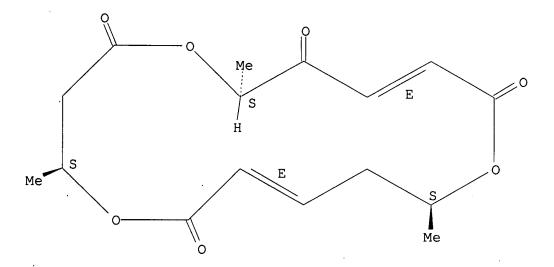
RN 344362-58-9 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12,15-tetrone,

4,10,16-trimethyl-, (4S,7E,10S,13E,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

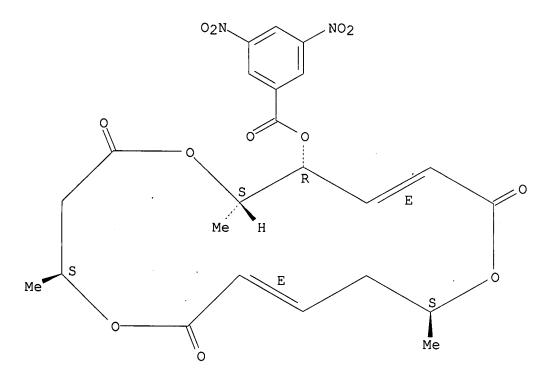
Double bond geometry as shown.



RN 344362-59-0 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 15-[(3,5-dinitrobenzoyl)oxy]-4,10,16-trimethyl-, (4S,7E,10S,13E,15R,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.



RN 344362-62-5 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12,15-tetrone, 4,10,16-trimethyl-, (4R,7E,10S,13E,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

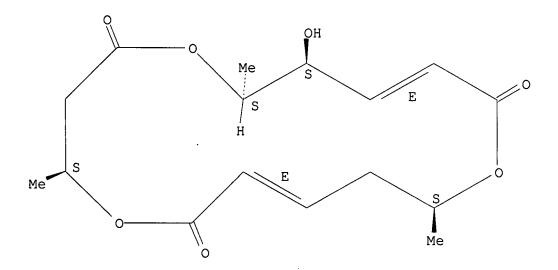
RN 344362-63-6 CAPLUS 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 15-[(3,5-dinitrobenzoyl)oxy]-4,10,16-trimethyl-, (4R,7E,10S,13E,15R,16S)- (9CI) CN

(CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

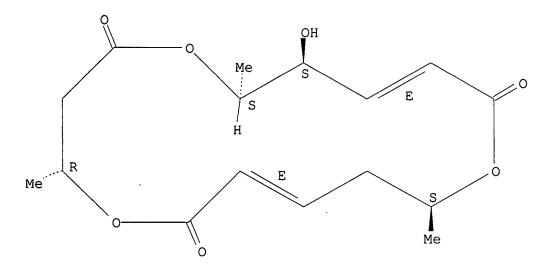
RN 344614-27-3 CAPLUS CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 15-hydroxy-4,10,16trimethyl-, (4S,7E,10S,13E,15S,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.



RN 344614-32-0 CAPLUS CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 15-hydroxy-4,10,16trimethyl-, (4R,7E,10S,13E,15S,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.



IT 199731-56-1P 200335-77-9P

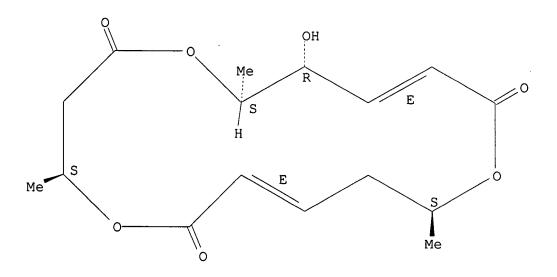
RN

RL: SPN (Synthetic preparation); PREP (Preparation) (total synthesis of macrosphelides C and F) 199731-56-1 CAPLUS 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione,

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 15-hydroxy-4,10,16-

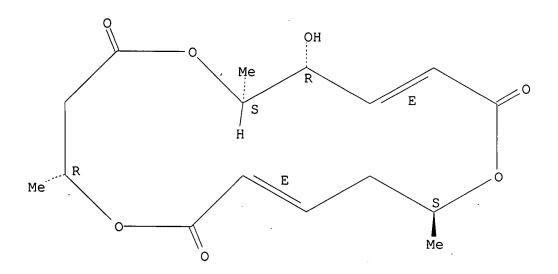
trimethyl-, (4S,7E,10S,13E,15R,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.



RN 200335-77-9 CAPLUS CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 15-hydroxy-4,10,16trimethyl-, (4R,7E,10S,13E,15R,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.



AB Macrosphelides C and F were synthesized by lactonization of $14-\infty$ 0 seco acids at the O(10)-C(11) bond followed by reduction and Mitsunobu

inversion of the resulting hydroxyl group. The seco acids were prepared from the corresponding furans by furan ring-opening with NBS followed by further oxidation of the 4-oxo-2-alkenals with NaClO2. REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 37 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

1997:665088 CAPLUS

DOCUMENT NUMBER:

127:293063

TITLE:

Relative and Absolute Stereochemistries and Total

Synthesis of (+)-Macrosphelides A and B,

Potent, Orally Bioavailable Inhibitors of Cell-Cell

Adhesion

AUTHOR(S):

Sunazuka, Toshiaki; Hirose, Tomoyasu; Harigaya, Yoshihiro; Takamatsu, Satoshi; Hayashi, Masahiko; Komiyama, Kanki; Omura, Satoshi; Sprengeler, Paul

A.;

Smith, Amos B., III

CORPORATE SOURCE:

Research Center for Biological Function The

Kitasato

Institute, School of Pharmaceutical Sciences

Kitasato

University, Tokyo, 108, Japan

SOURCE: Journal of the American Chemi

Journal of the American Chemical Society (1997),

119(42), 10247-10248

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER:

American Chemical Society

10/535,136

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 127:293063

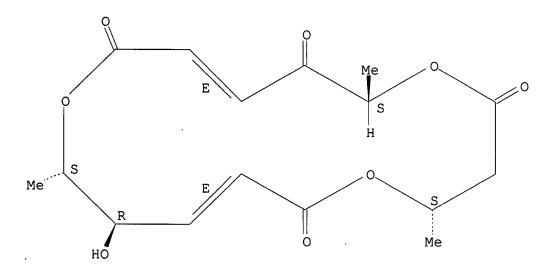
IT 172923-78-3P, Macrosphelide B

RL: PNU (Preparation, unclassified); PREP (Preparation) (relative and absolute stereochemistries and total synthesis of (+)-macrosphelides a and B)

RN 172923-78-3 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12,15-tetrone, 9-hydroxy-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.



IT 172923-77-2P, Macrosphelide A

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (relative and absolute stereochemistries and total synthesis of (+)-macrosphelides a and B)

RN 172923-77-2 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-dihydroxy-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,15R,16S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

IT 196926-58-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

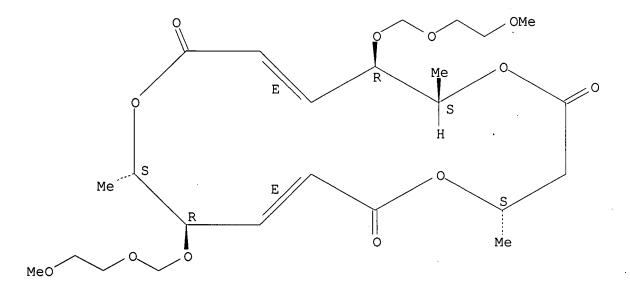
(Reactant or reagent)

(relative and absolute stereochemistries and total synthesis of
(+)-macrosphelides a and B)

RN 196926-58-6 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-bis[(2-methoxyethoxy)methoxy]-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,15R,16S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.



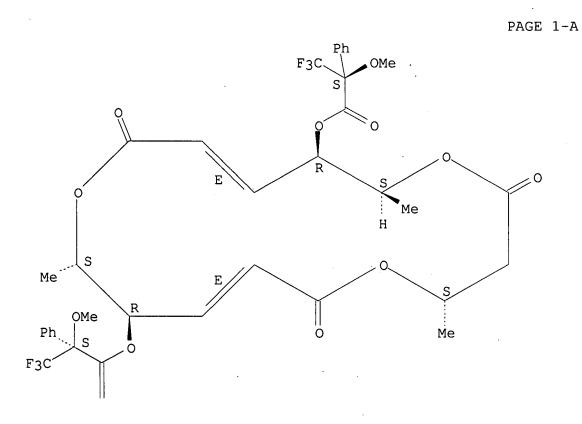
IT 196926-44-0P 196926-45-1P 196926-46-2P 196926-47-3P

RL: SPN (Synthetic preparation); PREP (Preparation) (relative and absolute stereochemistries and total synthesis of (+)-macrosphelides a and B)

RN 196926-44-0 CAPLUS

CN Benzeneacetic acid, α -methoxy- α -(trifluoromethyl)-, (2S,6S,7R,8E,12S,13R,14E)-2,6,12-trimethyl-4,10,16-trioxo-1,5,11-trioxacyclohexadeca-8,14-diene-7,13-diyl ester, (α S, α 'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.



PAGE 2-A

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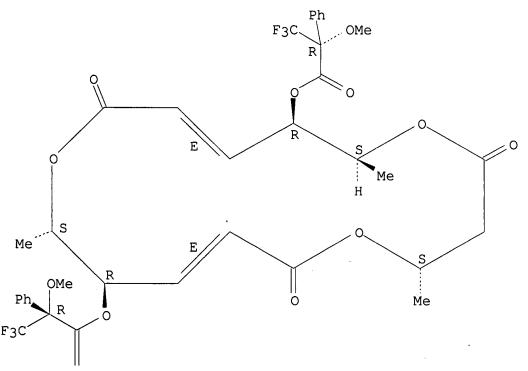
RN 196926-45-1 CAPLUS

CN Benzeneacetic acid, α -methoxy- α -(trifluoromethyl)-, (2S,6S,7R,8E,12S,13R,14E)-2,6,12-trimethyl-4,10,16-trioxo-1,5,11-trioxacyclohexadeca-8,14-diene-7,13-diyl ester, (α R, α 'R)-

(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.





PAGE 2-A

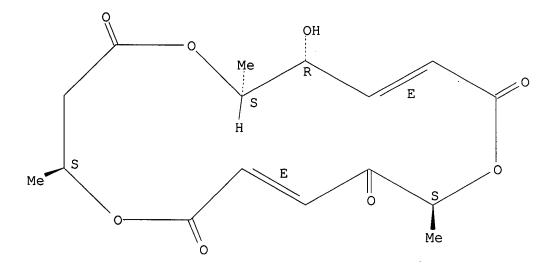
||

RN 196926-46-2 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,9,12-tetrone, 15-hydroxy-4,10,16-trimethyl-, (4S,7E,10S,13E,15R,16S)- (9CI) (CFINDEX

NAME)

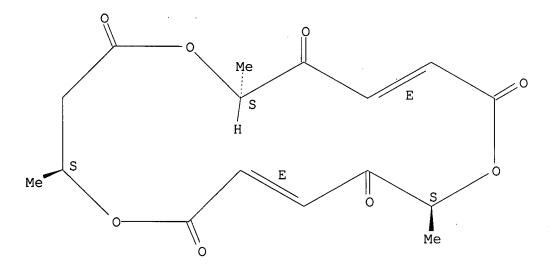
Absolute stereochemistry.
Double bond geometry as shown.



RN 196926-47-3 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,9,12,15-pentone, 4,10,16-trimethyl-, (4S,7E,10S,13E,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.



GΙ

AB (+)-Macrosphelides A (I) was prepared starting from E,E-MeCH:CHCH:CHCO2CMe3 via II and III. The successful route also constitutes a formal construction of (+)-Macrosphelide B, confirming the

assigned structures of both congeners.

DEFENDING COMM.

REFERENCE COUNT:

27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR

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RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 38 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:76046

DOCUMENT NUMBER: 124:175649

TITLE: Macrosphelide, a novel inhibitor of cell-cell

adhesion

molecule. II. Physicochemical properties and

structural elucidation

AUTHOR(S): Takamatsu, Satoshi; Kim, Yong-Pil; Hayashi,

Masahiko;

Hiraoka, Hidemi; Natori, Masahiko; Ko, iyama,

Kanki;

Omura, Satoshi

CORPORATE SOURCE: Kitasato Inst., Tokyo, 108, Japan

SOURCE: Journal of Antibiotics (1996), 49(1), 95-8

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CODEN: JANTAJ; ISSN: 0021-8820

PUBLISHER: Japan Antibiotics Research Association

DOCUMENT TYPE: Journal LANGUAGE: English

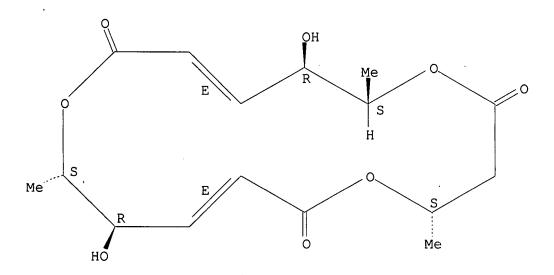
IT 172923-77-2, Macrosphelide A 172923-78-3, Macrosphelide B

RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent) (physicochem. properties and structural elucidation of macrosphelide)

RN 172923-77-2 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione, 9,15-dihydroxy-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,15R,16S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.



RN 172923-78-3 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12,15-tetrone, 9-hydroxy-4,10,16-trimethyl-, (4S,7E,9R,10S,13E,16S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

IT 173991-58-7P 173991-59-8P

RL: SPN (Synthetic preparation); PREP (Preparation) (physicochem. properties and structural elucidation of macrosphelide)

RN 173991-58-7 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12-trione,9,15-bis(acetyloxy)-

4,10,16-trimethyl- (9CI) (CA INDEX NAME)

Currently available stereo shown.

RN 173991-59-8 CAPLUS

CN 1,5,11-Trioxacyclohexadeca-7,13-diene-2,6,12,15-tetrone, 9-(acetyloxy)-4,10,16-trimethyl- (9CI) (CA INDEX NAME)

Currently available stereo shown.

GI

were

$$\begin{array}{c|c} & \text{OH} & \cdot \\ & \text{O} & \\ & \text{Me} & \\ & \text{O} & \\ & \text{Me} & \\ & \text{O} & \\ & \text{Me} & \\ & \text{O} & \\ & \text{I} & \\ \end{array}$$

AB New anticell-adherence compds., macrosphelides A (I; R,R1 = H, OH) and $^{\rm R}$

(I; RR1 = 0), were isolated from the fermentation broth of Microsphaeropsis sp.

FO-5050, and their structures were elucidated by spectroscopic methods and by chemical transformations. Macrosphelides A (M.W. 342, C16J2208) and B (M.W. 340, C16H2008) with three esters in their mols.

classified as 16-membered macrocyclic compds. Macrosphelide B was found

to be a corresponding oxidative product of macrosphelide A at the C-14 position.

=> log y		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	219.63	391.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
•	ENTRY	SESSION
CA SUBSCRIBER PRICE	-29.64	-29.64

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